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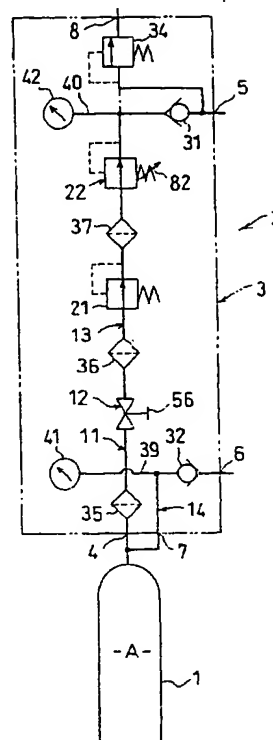
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(54) **Valve assembly for gas cylinder**

(57) Within a housing (3), a gas inlet (4) communicates with a gas outlet (5) through an inlet passage (11), a shut off valve (12) and an outlet passage (13), and a charging port (6) communicates with a discharging port (7) via a bypass passage (14). The outlet passage (13) is provided with a first pressure reducing valve (21) of piston type, a second pressure reducing valve (22) of diaphragm type and a first check valve (31) for retaining residual pressure, in series in the mentioned order. The bypass passage (14) is provided with a second check valve (32) which inhibits a flow from the discharging port (7) to the charging port (6).

FIG. 1





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EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims					
Place of search THE HAGUE		Date of completion of the search 31 July 2002	Examiner Lanel, F-B		
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>					

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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